# Trauma 2015: California's Future

# Retriage: the missing piece

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## What is retriage?

- A pre-arranged process and agreement between 3 parties: LEMSA, Trauma Center, non-TC Emergency Department
- The process addresses EMS undertriage, or dropoff by others, of a critically ill trauma patient to a non-TC ED, by facilitating and permitting immediate movement of the patient to the nearest TC at the discretion of the treating ED physician
- Patient is treated as a scene 911 patient and redirected from the non-TC ED to the TC



# What retriage is not

- A mandate to transfer a patient that the non-TC ED feels they can handle
- A routine transfer effort using interfacility ambulances, a transfer center, finding an accepting physician and bed, and all the attendant delays
- A process for non-TC to "dump" a patient
- · A process to subvert the intent of EMTALA



# What retriage accomplishes

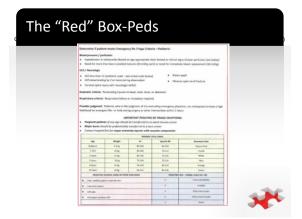
- Eliminates (or minimizes) need for non-TC ED to "shop" for accepting TC:
  - Each non-TC ED will have its pre-identified TC "buddy" for immediate retriage acceptance
  - TC will have agreed, in advance, to automatically accept all patients from "buddy" ED who have injuries listed in the "red box"
- Eliminates, for "red box" patients, negotiation between non-TC ED doctor and Trauma Surgeon re more workup or stabilization prior to immediate movement to the TC
- Speeds arrival of patient to definitive TC care, minimizes delays of arranging routine interfacility transfer
- EMTALA compliance



# Basic requirements for retriage

- Agreement between TC (and its trauma surgeons) and LEMSA re injuries that belong in the "red box" and are thus eligible for automatic acceptance from non-TC ED to the TC
- Pre-arranged identification of each non-TC ED's TC "buddy" and education of the "buddy" re management of "red box" patients
- A simple, single call referral process for non-TC ED to inform buddy TC of "red box" patient en route
- · 911 priority transport to TC
- Agreement to discuss retriage errors off-line in regular meetings between non-TC and TC
- Basically, this establishes a working relationship between the TC and its non-TC "buddies"





## LEMSA requirements for retriage

- Development of policy or memo identifying those patients qualifying for this process
- Establishment of this process as local standard of care in the community, included as part of LEMSA trauma plan, submitted to EMSA for approval, and endorsed by County BOS
- Monitoring of TC compliance with process
- · Assisting in education of non-TC personnel
- Education of regulatory surveyors (DHS, CMS) of community standard



#### Trauma Center requirements

- Agreement among all trauma surgeons on injuries in the "red box" and automatic acceptance
- Establishment of a simple, single call process for non-TC to inform of incoming patient
- Pre-identification of "buddy" non-TC EDs and periodic educational/case review/feedback meetings with non-TC ED staff
- Agreement to handle non-TC errors through educational and peer-review channels



# Non-TC ED requirements

- Education of staff re "red box" patients and benefits of immediate retriage when appropriate
- Education of staff re steps to immediately retriage patient
- Education of staff re limits of retriage, especially their responsibility for patients whose injuries do not fall into the "red hoy"
- Willingness to partner with, provide meeting time to, and participating in process improvement efforts with their TC huddies
- Commitment to provide pre-TC data on retriage patients to TC as needed



#### Pt Scenario

- "Home boy dropoff" to non-trauma center with gsw left lower abdomen
- A-OK
- B-OK
- C-tachycardic with SBP 90/p
- D-GCS 15 but anxious
- E-Single gsw left lower abdomen with tenderness



#### Pt Scenario

- MCC at high rate of speed, unresponsive, difficult airway, TC 25 minutes away, NTC 5 min away
- · To NTC where pt intubated with advanced techniques
- · B-OK following intubation
- · C-tachycardic with SBP 110
- · D-GCS 3T with unequal pupils
- · E-boggy scalp and clinical pelvic fracture



# Pt Scenario

- 13 yo male involved in violent collision in a football game, helmeted, no LOC, neck pain with paresthesias and weakness, to LII adult center
- A-OK
- B-OK
- C-OK
- · GCS 15, quadriparetic, hyper-reflexive
- E- OK



# Short term goals for the workgroup

- Define the network, ie. identify the "buddies" in the buddy system
- Begin to develop guidelines for Re-triage and IFT
- Craft a template for Regional Cooperative Agreements (determine when agreements are not needed, such as immediate retriage)



# Example: San Diego TC "Buddies"

- Palomar Medical Center
  - Pomerado Hospital, Palomar Med Center Downtown Campus
- UCS
  - Scripps Mercy Chula Vista, Sharp Coronado Hosp, Naval Base Coronado, El Centro Regional Med Ctr, Pioneer Memorial Hospital, Yuma Regional Med Ctr
- Scripps Merc
  - Alvarado Hospital, NMCSD, Paradise Vally Hospital, Sharp Chula Vista
- Sharp Memorial
- Sharp Grossmont Hospital, Kaiser Permanente-Zion
- Scripps La Jolla
- Tri City Med Ctr, UCSD-Thornton Hospital, Scripps Encinitas, Naval Hospital Camp Pendleton
- Rady Children's Hospital
  - Regional asset



# A System of Systems

